

Abstract of **WO2004003890**

A system for optical scanning along one line with fast random access and high optical resolution, composed of: a plurality of first lenslets (240) constructed for use with a selected media format (224), the plurality of lenslets (240) all being disposed in a single row and being spaced apart by a given center-to-center distance; a movable mount carrying the plurality of lenslets (240), a linear motion actuator (241) coupled to the mount for moving the mount in a direction substantially parallel to the single row over a distance having a maximum value that is substantially equal to or slightly greater than the given center-to-center distance; at least one light source (260); a light directing unit (234) for directing light from the source to any one or two selected lenslets (240); and a control unit for controlling the light directing unit (234).